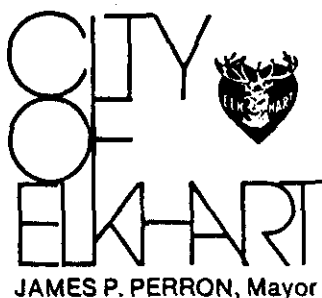


R. D. INGRAHAM, Manager



WASTEWATER TREATMENT PLANT
1201 South Nappanee Street
Elkhart, Indiana 46516
(219) 293-2572

May 9, 1986

Mr. Warren DeFerbrache
Elkhart Brass Mfg. Co., Inc.
P.O. Box 1127
Elkhart, Ind. 46515

Dear Mr. DeFerbrache:

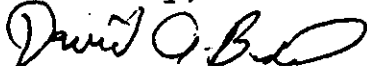
This is in response to your verbal request to Mr. Larry Pozgay to discharge water from two underground tanks into the City sewer system.

Based on the test results of this water which you submitted, the Wastewater Treatment Plant would be happy to accept the discharge from the 20,000 gallon tank which contained no Volatile Organic Compounds at detectable levels.

We are unable, however, to accept the discharge at this time from the 12,000 gallon tank due to the presence of various toxic substances. We would suggest that Elkhart Brass contract a licensed hazardous waste hauler to remove this waste. This would protect the Wastewater Treatment Plant from receiving any hazardous waste and would provide Elkhart Brass with certification that the waste was disposed of in the proper manner.

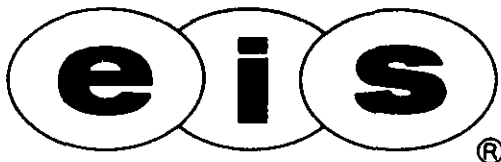
We would like to thank Elkhart Brass for their co-operation with the City in this matter. Please contact either Mr. Pozgay or me should you have any questions or comments. Thank you.

Sincerely,



David A. Bates
Pretreatment Director

COPIES: R. D. Ingraham
Larry Pozgay ✓



EIS ENVIRONMENTAL ENGINEERS, INC.

1701 North Ironwood Drive • South Bend, Indiana 46635 • Telephone (219) 277-5715

VOLATILE ORGANIC COMPOUND (VOC) ANALYSIS REPORT

Client: Elkhart Brass

c/o Warren R. Deferbrache

P.O. # 04463

Sample ID: Project Number 1268-02

- 1) Underground Tank #1 20000 gallons
- 2) 12000 gallon Tank #2

Date Reported: 5-1-86

EIS Lab No.: 1639F, 1640F

Sample Date: 4-29-86

Date Received: 4-29-86

Date Analyzed: 4-30-86

Samples Received

Refrigerated: Yes ☐ No ☐

In 40cc Vials: Yes ☐ No ☐

Air Space: Yes ☐ No ☐

RESULTS

- The test procedures used for this analysis, and the listing of compounds detectable by these procedures, are described in Table 1 on the reverse side of this report sheet.
- If your sample contained any of the Table 1 Priority Pollutant Volatile Organic Compounds above a Quantifiable Detection Limit of $\mu\text{g/l}$, these compounds are reported below. If no Table 1 Volatile Organic Compounds were detected, then a statement to this effect is listed below.
- Results are as follows:

20000 Gallon Underground Tank

No Volatile Organic Compounds were detected at a Quantifiable Detection Limit of $10 \mu\text{g/l}$.

The Ignitability Test resulted in No Flash Point but the sample itself ignited at 139°F .

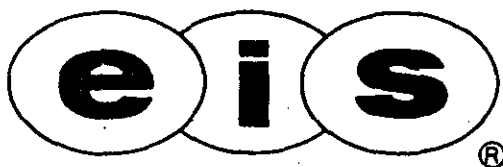
12000 Gallon Tank

<u>Parameter</u>	<u>Concentration ($\mu\text{g/l}$)</u>
Ethyl Benzene	95
Toluene	170
Xylenes	570
Multicomponent Residue*	20500
1,1,1-Trichloroethane	180

* Defined as a "species" similar to fuel oil or paint residuals and quantitated using a Toluene standard.

This sample has a Flash Point $>162^\circ\text{F}$.


LABORATORY DIRECTOR



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Xylene - haz substance + waste

Toluene - haz substance + waste

Ethyl Benzene - haz subst.

+ priority toxic pollutant

Andri Rozite
LABORATORY DIRECTOR

1,1,1 - Haz waste - priority toxic pollutant

TABLE 1

PARTIAL LISTING - VOLATILE ORGANIC COMPOUNDS
SPECIES DETECTABLE USING METHODS STATED BELOW

- - - - - PRIORITY POLLUTANTS - - - - -		- NON PRIORITY POLLUTANTS -
Benzene	1,2-Dichloroethane	Acetone
Bromodichloromethane	1,1-Dichloroethylene	Dichlorodifluoromethane
Bromoform	t-1,2-Dichloroethylene	Methyl Ethyl Ketone
Bromomethane	1,2-Dichloropropane	Methyl Isobutyl Ketone
Carbon Tetrachloride	c-1,2-Dichloropropene	Styrene
Chlorobenzene	t-1,2-Dichloropropene	Trichlorofluoromethane
Chloroethane	Ethyl Benzene	Vinyl Acetate
2-Chloroethylvinyl Ether	Methylene Chloride	Xylene
Chloroform	1,1,2,2-Tetrachloroethane	2-Hexanone
Chloromethane	Tetrachloroethylene	
Dibromochloromethane	1,1,1-Trichloroethane	
1,2-Dichlorobenzene	1,1,2-Trichloroethane	
1,3-Dichlorobenzene	Toluene	
1,4-Dichlorobenzene	Trichloroethylene	
1,1-Dichloroethane	Vinyl Chloride	

REFERENCES

- . "Test Methods: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater" USEPA-600/4-82-057, July 1982, Method 601 and Method 602
- . "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" SW-846, July 1982, Methods 5030, 8010, 8020.

ANALYTICAL PROCEDURES

- . Purge and Trap, Gas Chromatography is utilized.
- . The effluent from the gas chromatographic column is monitored by Photoionization and Hall 700A Electrolytic Conductivity Detectors operating in series.
- . Surrogate compounds are added prior to the Purge step to monitor overall system performance. The surrogates also function as Retention Time Standards.
- . Quantitation is made by external standards.
- . Identification is made by relative retention times and responses to the two in series detectors.



INDUSTRIAL INSPECTION FORM

INDUSTRY Elkhart Brass Mfg. Co., Inc. DATE June 6, 1986

ADDRESS 1302 West Beardsley Ave., Elkhart, Ind.

TIME STARTED 1:30 PM TIME COMPLETED 2:00 PM

PURPOSE OF INSPECTION Check process water usage for possible SIU
status.

SAMPLE(S) TAKEN-----YES NO X TYPE

SAMPLE TIME (GRAB):

#1 <u></u>	#6 <u></u>	#11 <u></u>
#2 <u></u>	#7 <u></u>	#12 <u></u>
#3 <u></u>	#8 <u></u>	#13 <u></u>
#4 <u></u>	#9 <u></u>	#14 <u></u>
#5 <u></u>	#10 <u></u>	#15 <u></u>

COMPOSITE SAMPLE FROM TO

NOTES: Facility operates two shifts. First shift from 7 AM to 3:30 PM and second shift from 3:30 to 11 PM. Second shift has only about five employees. Foundry works only 1st shift.

Largest water usage is for testing of fire fighting equipment, up to 1000 gpm. Some machines have closed loop non-contact cooling water.

Foundry has no water usage.

All underground storage tanks have been removed from the site and the areas have been concreted over.

Vapor degreaser uses 1,1,1 Trichloroethylene. Newer unit is located on floor area. Old unit was inside of self-contained trench which has sump pump.

It would not appear that this facility would qualify as a Significant Industrial User at this time.

INSPECTION AND/OR SAMPLING BY DB LRP
Dave Bates/Larry Pozgay